

Amendment to the Specification:

Please replace the title on page 1 with the following title:

[[SYSTEM FOR]] GEOMETRICAL MODELING OF STRUCTURAL PRODUCTS

Please replace the first paragraph on page 1, lines 4-6 with the following amended paragraph:

The present invention relates in general to computational modeling of geometric structures ~~[[involving the disclosures submitted with]]~~ referred to in a prior copending application Serial No. 09/109,725 filed July 2, 1998, with respect to which the present application is a continuation-in-part which was subsequently abandoned after filing of the present application.

Please replace the last paragraph on page 13 beginning on line 11 with the following amended paragraph:

Connector objects are not limited to edge boundaries of topological view representation of type surface or face as that illustrated by way of example in FIGS. 13, 14, 15A and 15B. In regard to the connector function associated with the topological view diagrammed in FIG. 16, the connector function (g) is: $(i,j) \rightarrow (u, v, s,t)$. Here a connector object of type surface 42 is connecting and mapping the space between two overlapping surfaces 38 and 40. Three-dimensional solids or volumes, 44 and ~~[[46]]~~ 45, illustrated in FIG. 17 are likewise related by a connector of type surface ~~[[46]]~~ 45. The connector objects in FIG 17 would have a functional relationship appearing, given the volume 44 defined as the spline function $(x1, y1, z1) = g(i,k,j)$ and the volume 45 defined as the spline function $(x2, y2, z2) = f(u,v,w)$, as $(i,j,k,u,v,w)=r(l,m)$. The construction of the connector would ensure that for a given (l,m) on function r a set of parametric locations (i,j,k,u,v,w) would be returned such that if evaluated against their respective functions g and f would return the same Cartesian location (x,y,z) .